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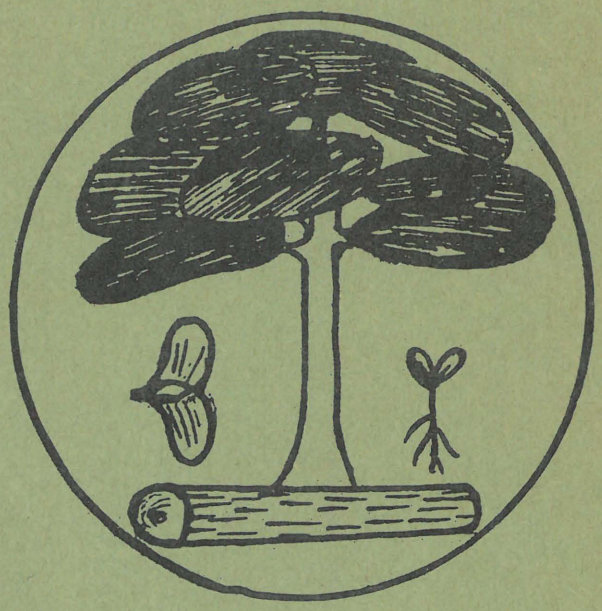

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FORESTRY DIVISION PUBLICATIONS

SOLOMON ISLANDS FORESTRY DIVISION
Ministry of Natural Resources
P O Box G 24
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SOLOMON ISLANDS

Forestry Information Pamphlet No. 5

Forest Research Station
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December 1985

"FORESTRY DIVISION PUBLICATIONS"

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SUMMARY

Complete lists of Forestry Division serial publications to December 1985.

Keywords

Publication lists, bibliography, research reports, Solomon Islands.

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References

1 Introduction

Complete lists of Forestry Division numbered serial publications to the end of 1985 are given. In addition a large amount of material relating to forestry in the Solomon Islands has been published elsewhere as notes, internal reports or in other journals, such as the Commonwealth Forestry Review. Information on those published can be obtained from the Land Resources Division Bibliography (Reilly, 1985).

Forestry Information Pamphlet (FIP) No 6 (Chaplin and Nixon, 1985) lists most of the Forestry Divisions internal reports that have been produced in un-numbered series relating to the research work and in particular silviculture, mensuration, utilization, entomology, timber assessments and appraisals and the Kolombangara Ecological Survey (KES).

Two Forestry Information Pamphlets in preparation will list reports on the Cattle Under Trees (CUT) work: (FIP7), and entomology: (FIP8). These two pamphlets will include Forestry Division internal reports along with some other reports produced outside of the Forestry Division.

Hopefully these publications will encourage other forestry departments in the region to produce similar accounts of their publications and reports. This would enhance awareness of the information available especially on topics of mutual interest of which there are many in the region.

2 Current Publications

2.1 Current Series: Publications

2.1.1 Forest Records

FR 1 "The Forests of the British Solomon Islands Protectorate" by F.S.Walker (1964). Reprinted 1984.

FR 2 "Guide to the Forests of the British Solomon Islands" by T.C.Whitmore (1966).

FR 3 "The Silvics of Species" by K.D.Marten and B.R.Thomson (1981).

FR 4 "The Insect Pests of Forest Plantation Trees in the Solomon Islands" by M.Bigger (to be available in 1986).

2.1.2 Forest Research Notes

FRN 12/79	"Line planting on Kolobangara - choosing the species to match the site"
FRN 1/80	"Notes on *Artocarpus integer*, Jak Tree"
FRN 3/80	"Fire breaks in grassland, Vara Creek (XS 765-771)"
FRN 7/80	"Spacing strategies for plantations in Western Solomons"
FRN 1/81	"Fuelwood species of the Solomons"
FRN 2/81	"Seed germination tests"
FRN 1/82	"Herbicides and *Merremia* species control"
FRN 2/82	"Application techniques when using herbicides for *Merremia* species control"
FRN 3/82	"*Merremia* species and other weedy climbers"
FRN 4/82	"The use of fire for *Merremia* species control"
FRN 5/82	"The use of cattle for *Merremia* species control"
FRN 6/82	"The Use of cover crops in *Merremia* species control"
FRN 1/84	"Seed cleaning with a winnowing chamber"
FRN 1/85	"A note on *Acacia mangium* in the Solomon Islands"
FRN 2/85	"Survey of current techniques in management nurseries"
FRN 3/85	"Summary of past research work on nursery and establishment techniques"
FRN 4/85	"A potentially useful nut tree, *Terminalia kaernabachii*"
FRN 5/85	"An integrated silvicultural solution to weedy climber problems"
FRN 6/85	"The status and yield of *Canarium indicum* and *C. solomonense*"

2.1.3 Forestry Information Pamphlets

FIP No 1 "Gizo forestry - trial plots"
FIP No 2 "Roviana tree hames - a provisional check list"
FIP No 3 "Mount Austen forest trial plots"
FIP No 4 "Silas Pitukolo's Memorial Arboretum"
FIP No 5 "Forestry Division publications"
FIP No 6 "Forestry Division research reports"

2.1.4 Timber Booklet

TB No 1 "Major Species"
TB No 2 "Minor Species"

2.2. Current Series, Technical Instructions

2.2.1 Field Operation Job Instruction Sheets

FOJIS No 1 "Control line cutting"
2 "Trace line cutting (wide spacing)"
3 "Poisoning (wide spacing)"
4 "Line opening (wide spacing)"
5 "Planting (potted nursery stock)"
6 "Planting (bare rooted)"
7 "Beating up"
8 "Maintenance - creeper releasing"
9 "Maintenance - full (small trees)"
10 "Maintenance - full (large trees)"
11 Vacant
12 "Total height measurement in the field"
13 "Measurement and marking of reference Diameter (dbh)"
14 "Territorial divisions for plantations management"
15 "Tree form classification for plantation trees"
16 "Manual for PGPs and PSPs"
17 "Recovery of information from PIP"
18 "Manual for TIPs"
19 "Survival survey"
20 "Measurement of tree crown radius"
21 "Assessment of tree crown closure"
22 "Stocking survey"
23 "Site survey and species/site matching"
24 "Boundary survey and mapping"

2.2.2 Nursery Operation Job Instruction Sheet

NOJIS No 1 "Preparation of nursery beds, germinating boxes and standout beds"
2 "Preparation of potting mixtures and filling polypots"
3 "Control of nursery pests - slugs and snails"

4 "Control of nursery pests - caterpillars"
5 "Raising of Terminalia calamansanai"
6 "Raising of Campnosperma brevipetiolata"
7 "Raising of Terminalia brassii"
8 "Raising of Gmelina arborea"
9 "Raising of Eucalyptus deglupta"
10 "Watering techniques"
11 "Shading techniques"
12 "Control of nursery pests - cut worms and other soil dwelling insects"
13 "Control of nursery pests - shoot borers"
14 "Hardening-off and undercutting"
15 "Nursery stocking assessments and maintenance of stock records"
16 "Control of nursery pests - damping-off fungi"
17 "Culling nursery stock"

2.2.3 Research Operations Job Instruction Sheets

ROJIS No 1 "Check List for experiment planning"
2 "Standard tree name abbreviation"
3 "Standard island name abbreviation"
4 "Latin names of exotic tree species in common use within the forestry division"
5 "Latin names of native tree species in common use within the forestry division"
6 "Research trial status"
7 "Research trial rationalization/ master list"
8 "Research trial XS file preparation and continuation"
9 "Research library Munda and the ODC classification of literature"
10 "Instructions for lining out, planting, poisoning and maintenance for line planting research experiments".
11 "Assessments of natural regeneration plots (NOP) and natural regeneration treatment plots with NOP assessments - office work"
12 "Preparation of experimental plans for the nursery research programme".
13 "Measurement of seedling physical parameters"

2.2.4 Seed Operation Job Instruction Sheets

SOJIS No. 1 "Moisture content determination technique"
2 "Weighing technique with Mettler Balance E.200"
3 "Seed Ppretreatment - Acacia mangium"

3 Closed Series

3.1 Forest Pests of the Solomon Islands

No. 1 "*Oxymagis horni* on *Eucalyptus deglupta*"
No. 2 "*Dihamnus* sp. on *Eucalyptus deglupta*"
No. 3 "Buprestid Beetles on *Terminalia brassii*"
No. 4 "*Badamia exclamations* on *Terminalia calamansanai*"
No. 5 "*Hyblaea puera* on Teak"

3.2 Forestry Department Handbook

No.1 "Log Volume tables"

3.3 Nursery Notes

No. 1/74 "*Gmelina arborea*"
No. 2/74 "*Eucalyptus deglupta* and other *Eucalyptus* spp"
No. 3/74 "*Pinus caribaea* and other *Pinus* spp."
No. 4/74 "Use and Doses of Chemicals"

3.4 Research Reports - Economic

E1 "A Note on the shadow wage rate for unskilled labour in the Solomon Islands"
E2 "Timber planting programme 1974 to 1985 (projection and appraisal)" (same as DTN 1/73)
E3 "The results of further analysis of the timber replanting programme costs and the revision of some cost data given in DTN 1/73"
E4 "Timber replanting programme: costs and revenue changes since October 1973"
E5 "Social cost benefit analysis of wood processing industries that could be set up to utilize logs from the replanting programme"
E6 "Timber planting programme projection 1974 to 1985 and log production cost estimates" (same as DTN 1/74)
E7 "A note on the benefit which could be derived from harvesting and processing of timber from the existing resource, from different areas of plantation and from 130,000 acres of plantation on public land"
E8 "Evaluation of a combined pulpwood and log production regime, both with and without thinning when initial planting distance is 4.5x4.5m
E9 "Estimates of establishment cost per acre for close spaced planting when the planting distance is 4.5m by 4.5m"
E10 "A note on the man/days needed for different management operations"
E11 "A financial evaluation and social cost benefit analysis of pulpwood production possibilities"
E12 "Evaluation of a combined pulpwood and log production regime, without thinning, when the initial planting distances are 6.0m by 3.5m or wider"

E13 "The production of quality timbers: A financial evaluation and social cost benefit analysis of growing Swietenia macrophylla"
E14 "The production of quality softwoods: A financial evaluation and social cost benefit analysis of growing Agathis macrophylla"
E15 "An investigation into the size and timing of road maintenance expenditure"
E16 "Estimated contribution of the forest sector to the gross domestic product (GDP) of the British Solomon Islands between 1969 and 1971"
E17 "Production cost study of log exporting companies in BSIP"
E18 "Assessment of the contributions of the logging industry to the British Solomon Islands economy between 1969 and 1972"
E19 "Projection of timber production, processing and revenue 1974-1979"
E20 "Wood and wood products trade and the domestic consumption of the sawn timber in the British Solomon Islands Protectorate"
E21 "A Summary of the results of recent economic studies of forestry in the protectorate"
E22 "Economic and financial appraisal of a timber replanting programme 1975-1984"
E23 "Economic and financial appraisal of a timber replanting programme 1980-1984"
E24 "Viru replanting project"

3.5 Silvicultural Notes

S/1/75 "A Summary of the Performance of various species in departmental trial plots" see DTN 1/72
S/2/75 "Broussonetia papyrifera - Weed tree?"
S/1/77 "Silvics of species "Campnosperma brevipetiolata"
S/2/77 "Silvics of species "Terminalia brassii"
S/3/77 "Silvics of species "Terminalia calamansanai"
S/4/77 "Silvics of species "Agathis macrophylla"
S/5/77 "Silvics of species "Eucalyptus deglupta"
S/6/77 "Silvics of species "Gmelina arborea"
S/7/77 "Silvics of species "Swietenia macrophylla"
S/8/77 "Silvics of species "Cedrela odorata"
S/1/78 "The performance of exotic and indigenous species of minor importance in the Solomon Islands"
S/2/78 "Species selection for forest regeneration on Kolobangara and New Georgia"
S/1/79 "Solomon Islands - timber assessments"
S/2/79 "Solomon Islands tropical rain forest ecolocy"
S/3/79 "Viru plantation volume tables"
S/1/80 "Summary of the performance of the major plantations species in divisional trial plots"
S/2/80 "Silvics of species Campnosperma brevipetiolata"
S/3/80 "Silvics of species Terminalia calamansanai"
S/4/80 "Silvics of species Terminalia brassii"
S/5/80 "Silvics of species Agathis macrophylla"
S/6/80 "Silvics of species Endospermum medullosum"
S/7/80 "Silvics of species Swietenia macrophylla"

S/8/80 "Silvics of species Eucalyptus deglupta"
S/9/80 "Silvics of species Gmelina arborea"
S/10/80 "Silvics of species Tectona grandis"
S/11/80 "Silvics of species Cedrela odorata"
S/12/80 "The performance of Cleistopholis glauca in the Solomon Islands"

Note 1 Silvicultural notes S/1/77 through to S/8/77 were revised in 1980 and given new identify codes as listed above.

2 Silvicultural notes S/1/80 through to S/12/80 have been brought together in Forest Record No.3 "The Silvics of Species" and were presented as a single bound copy in 1981.

3.6 Technical Notes (Departmental Technical Note; DTN)

DTN 1/58 "Notes on some common Solomon Island timbers and prospects of commercial working"
DTN 2/58 "The 'Kauri' (Agathis macrophylla) forest of Vanikoro, Tevai and Santa Cruz; management considerations in relation to licence renewal"
DTN 3/58 "Extracts from "Forest industries - Sierra Leone" article"
DTN 4/58 "Annual timber exports - other countries"
DTN 5/58 "Experimental tree planting plots - notes on technique"
DTN 6/58 "No mans land"
DTN 1/59 "Forestry in the Solomons since 1944 - with emphasis on timber development prospects"
DTN 1/60 "Timber development prospects in the Solomons - based mainly on the findings of a pilot study by FAO/ESCAFE on timber trends and prospects in the Asia - Pacific regions"
DTN 1/61 "Forestry and land tenure"
DTN 1/62 "The forest estate"
DTN 1/63 "Check list of some common Solomon Island trees"
DTN 2/63 "Abbreviations of plant names"
DTN 3/63 "Timber Calophyllum species"
DTN 4/63 "Dillenia in the Solomon Islands"
DTN 5/63 "Timber development prospects in the Solomons" with appendix of summary in Asia and Oceania study by FAO (supplementing DTN 1/60)
DTN 6/63 "General volume tables"
DTN 7/63 "Land for forestry"
DTN 8/63 "A Kauri forest in the Solomon Islands"
DTN 9/63 "A botanist's notes on the Vanikoro Kauri forests"
DTN 10/63 "Regeneration of Kauri at Vanikoro"
DTN 1/64 "Forest key to Calophyllum"
DTN 2/64 "A guide to the Sapotaceae"
DTN 3/64 "Albizia in the Solomons"
DTN 4/64 "Celtis in the Solomons"
DTN 5/64 "Elaeocarpacea, the oil fruits, in the Solomons"
DTN 6/64 "Easily recognised families of trees"
DTN 7/64 "A provisional Kwara'ae check list to the forest flora of the Solomon Islands" (now see: Forest Record No.2)

DTN 8/64 "Notes on botanical collecting trip to the Wairaha River of Santa Cristobal"
DTN 9/64 "A provisional key to the common species of Terminalia"
DTN 10/64 "A forest key to the common big trees of lowland forests"
DTN 11/64 "Notes on the Japanese timber market in 1964"
DTN 1/65 "List of Vanikoro weed species (mainly trees) by Nambalua (Santa Cruz) dialect names"
DTN 2/65 "Report on Chief Forest Officer's Malaysia tour (via TPNG and Australia) July-August, 1965"
DTN 3/65 "Local volume tables for Pometia pinnata growing on Baga Island"
DTN 1/66 "A summary of the performance of various species in departmental trial plots"
DTN 2/66 "Local volume tables for Campnosperma brevipetiolata growing at Allardyce Harbour, Isabel Island"
DTN 3/66 "A preliminary investigation into the timber produced by Eucalyptus deglupta planted in the Solomons"
DTN 4/66 "Note on floristic analysis and site typing in the Solomons"
DTN 5/66 "A defect study on Dillenia salomonensis at Vangunu Island"
DTN 6/66 "Preliminary results of a timber survey on Vangunu Island"
DTN 1/67 "Results of a timber survey in the Viru/Kalena area"
DTN 2/67 "A study of lumber recovery from the round log at the Tenaru and Mounga sawmills"
DTN 3/67 "Outline for explanation of forestry policy"
DTN 4/67 "Amenity planting and storm hazard"
DTN 5/67 "The resistance of certain tree species at present on trial in the Solomon Islands to cyclone damage" (see DTN 4/68, same title, different content)
DTN 6/67 "Raising Pinus caribaea seedlings"
DTN 7/67 "Dip diffusion (boron diffusion) preservative treatment of timber for the Solomon Islands"
DTN 8/67 "Local volume tables for Calophyllum kajewskii growing on Baga Island"
DTN 9/67 "Data on certain BSIP timber species"
DTN 10/67 "Mechanical properties (green) of Canarium salomonensis and 4 other timber species"
DTN 11/67 "Tree names used in Isabel and Vangunu forest surveys"
DTN 1/68 "Pulping potential of 5 common BSI timber species"
DTN 2/68 "Plywood trial reports for 19 species"
DTN 3/68 "Strength grouping of 13 common BSI timber species"
DTN 4/68 "The resistance of certain tree species at present on trial in the Solomon Islands to cyclone damage" (see DTN 5/67, same title, revised content)
DTN 5/68 "The "Turmeric" test for boron(dip) diffusion treated timber"

DTN 6/68 "Mechanical properties (green) strength grouping of 5 BSI timber species"
DTN 7/68 "Local volume tables for Terminalia brassii and Dillenia salomonensis at Allardyce Harbour, Isabel Island"
DTN 8/68 "Portable mill lumber recovery study"
DTN 9/68 "Log recovery study (Allardyce Harbour)"
DTN 1/69 "Mechanical properties (green) of a further 14 Solomon Islands timber species"
DTN 1/70 "World timber trends related to the Solomons"
DTN 2/70 "Functions and organization of forestry in development economics"
DTN 3/70 "Nursery and establishment techniques (used in New Guinea (TPNG) for Klinki Pine Araucaria hunsteinii)"
DTN 4/70 "Observations on the regeneration techniques used in the lowland rain forest and monsoon forest in the Territory Papua New Guinea.
DTN 5/70 "Local volume tables for Terminalia brassii, Campnosperma brevipetiolata, Calophyllum kajewskii, Pometia pinnata and Dillenia salomonenses at Viru Harbour, New Georgia Island and Campnosperma brevipetiolata and Calophyllum kajewskii at Ringi, Kolobangara Island"
DTN 6/70 "Log recovery study - Ringi Cove"
DTN 7/70 "Log recovery study - Viru Harbour"
DTN 1/72 "A summary of the performance of various species in Departmental trial plots"(Revised in 8/1/75)
DTN 2/72 "Wood remaining after logging - Kolobangara and Viru/Kalena"
DTN 1/73 "Timber planting programme 1974 to 1985 (projection and appraisal)" (same as A2)
DTN 1/74 "Timber planting programme projection 1974 to 1985 and log production cost estimates" (same as B6)

3.7 Timber Leaflet

TL No. 1 "Solomon Islands Timbers - Calophyllum kajewskii"
TL No. 2 "Solomon Islands Timbers - Pometia pinnata"

Munda December 1985

References

Reilly, P.N.(1985) "Solomon Islands. Bibliography of Agriculture and Forestry." Land Resources Development Centre, UK. For Solomon Islands Ministry of Agriculture and Lands. (ISBN -0-86182-006-1)

Chaplin, G.E. and Nixon, D.(1985) "Forestry Division research reports". Forestry Information Pamphlet No.6, November 1985.